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LIST OF REFERENCES CITED BY APPLICANT Whitcomb, Jeannette

FILING DATE GROUP

January 14, 2004 1648

U.S. PATENT DOCUMENTS								
*EXAMINER		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TV	A01	5,436,131	7/95	Condra et al.				
U,	A02	5,631,128	5/97	Kozal et al.		7		
	A03	5,650,268	7/97	Kozal et al.		7		
	A04	5,837,464	11/98	Capon et al.		7		
	A05	5,917,033	6/99	Modak et al.		/		
	A06	6,033,902	3/00	Haseltine et al.		Χ	X	
	A07	6,103,462	8/00	Paulous et al.				
	- A08	6,124,327	9/00	Silverman	7			
	A09	6,242,187	6/01	Capon et al.				
	A10	6,653,081	11/03	Whitcomb			7	
1	A11	20040067487	4/04	Whitcomb			Z	

				FOREIG	N PATENT DOCUMENTS	s			
			DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUBC	CLASS	TRANSLA	TION
								YES	NO
〉	ノ	A12	WO99/67427	6/99	PCT		/	:	
V	1	A13	WO99/61658	12/99	PCT		7		
		A14	WO02/22781	9/01	PCT		7		
		A15	International Search Report of PCT/ US99/14486	6/99	PCT	.\/			
		A16	International Search Report of PCT/US01/28736	5/02	PCT	X			
	•	A17	International Search Report of PCT/US99/11629	9/99	PCT				
		A18	International Search Report of PCT/US01/18882	10/01	PCT				
1	,	A19	Copy of International Search Report PCT/US03/21024	5/04	PCT				

		OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)
X	A20	Ahluwalia, G. S., et al. (1996) "2", 3"-Didehydro-3"-deoxythymidine: Regulation of its Metabolic Activation by Modulators of Thymidine-5"-triphosphate Biosynthesis" Mol. Pharm. 50: 160-165
9	A21	Appelt, et al., (1991) "Design of Enzyme Inhibitors Using Iterative Protein Crystallographic Analysis," J. Med. Chem. 34: 1925-1934.
4	A22	Arnold E., et al. (1995) "Structures of DNA and RNA Polymerases and Their Interactions with Nucleic Acid Substrates", Curr Opin Struct Biol 5:27-38;

	A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36 A37	Back, KT, et al, (1996) "Reduce Replication of 3TC-Resistant HIV-1 Variants in Primary Cells Due to a Processivity Defect of the Reverse Transcriptase Enzyme", EMBO 15: 4040-4049 Balzarini J, (1998) "A Novel Mutation (F227L) Arises in the Reverse Transcriptase of Human Immunodeficiency Virus Type 1 on Dose-Escalating Treatment of HIV Type 1-Infected Cell Cultures With the Nonnucleoside Reverse Transcriptase Inhibitor Thiocarboxanilide UC-781" AIDS Res. Human, 14(3):255-260 Balzarini J, et al. (1997) "Zidovudine-Resistant Human Presence Immunodeficiency Virus Type 1 Strains Subcultured in the of Both Lamivudine and Quinoxaline HBY 097 Retain Marked Sensitivity to HBY 097 but not to Lamivudine" J of Infect Dis, 176:1392-1397 Balzarini J, et al., (1992) "HIV-1-Specific Reverse Transcriptase Inhibitors Show Differential Activity Against HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al, (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995)
	A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36	Balzarini J, (1998) "A Novel Mutation (F227L) Arises in the Reverse Transcriptase of Human Immunodeficiency Virus Type 1 on Dose-Escalating Treatment of HIV Type 1-Infected Cell Cultures With the Nonnucleoside Reverse Transcriptase Inhibitor Thiocarboxanilide UC-781" AIDS Res. Human, 14(3):255-260 Balzarini J, et al. (1997) "Zidovudine-Resistant Human Presence Immunodeficiency Virus Type 1 Strains Subcultured in the of Both Lamivudine and Quinoxaline HBY 097 Retain Marked Sensitivity to HBY 097 but not to Lamivudine" J of Infect Dis. 176:1392-1397 Balzarini J, et al., (1992) "HIV-1-Specific Reverse Transcriptase Inhibitors Show Differential Activity Against HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al, (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/I Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Synda 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of res
	A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36	Virus Type 1 on Dose-Escalating Treatment of HIV Type 1-Infected Cell Cultures With the Nonnucleoside Reverse Transcriptase Inhibitor Thiocarboxanilide UC-781" AIDS Res. Human, 14(3):255-260 Balzarini J, et al. (1997) "Zidovudine-Resistant Human Presence Immunodeficiency Virus Type 1 Strains Subcultured in the of Both Lamivudine and Quinoxaline HBY 097 Retain Marked Sensitivity to HBY 097 but not to Lamivudine" J of Infect Dis, 176:1392-1397 Balzarini J., et al., (1992) "HIV-1-Specific Reverse Transcriptase Inhibitors Show Differential Activity Against HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Bames WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al, (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndz 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immu
	A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36	Reverse Transcriptase Inhibitor Thiocarboxanilide UC-781" AIDS Res. Human, 14(3):255-260 Balzarini J, et al. (1997) "Zidovudine-Resistant Human Presence Immunodeficiency Virus Type 1 Strains Subcultured in the of Both Lamivudine and Quinoxaline HBY 097 Retain Marked Sensitivity to HBY 097 but not to Lamivudine" J of Infect Dis. 176:1392-1397 Balzarini J., et al., (1992) "HIV-1-Specific Reverse Transcriptase Inhibitors Show Differential Activity Against HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al., (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al., (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al., (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J Acquir Immune Syndt 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'A
	A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36	Balzarini J, et al. (1997) "Zidovudine-Resistant Human Presence Immunodeficiency Virus Type 1 Strains Subcultured in the of Both Lamivudine and Quinoxaline HBY 097 Retain Marked Sensitivity to HBY 097 but not to Lamivudine" J of Infect Dis, 176:1392-1397 Balzarini J., et al., (1992) "HIV-1-Specific Reverse Transcriptase Inhibitors Show Differential Activity Against HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al., (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al., (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al., (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin La
	A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36	Subcultured in the of Both Lamivudine and Quinoxaline HBY 097 Retain Marked Sensitivity to HBY 097 but not to Lamivudine" J of Infect Dis. 176:1392-1397 Balzarini J., et al., (1992) "HIV-1-Specific Reverse Transcriptase Inhibitors Show Differential Activity Against HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al., (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al., (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al., (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A27 A28 A29 A30 A31 A32 A33 A34 A35 A36	not to Lamivudine" J of Infect Dis, 176:1392-1397 Balzarini J., et al., (1992) "HIV-1-Specific Reverse Transcriptase Inhibitors Show Differential Activity Against HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al., (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al., (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al., (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr. 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A27 A28 A29 A30 A31 A32 A33 A34 A35 A36	Balzarini J., et al., (1992) "HIV-1-Specific Reverse Transcriptase Inhibitors Show Differential Activity Against HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al., (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al., (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al., (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr. 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J. Virol. 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A27 A28 A29 A30 A31 A32 A33 A34 A35 A36	HIV1 Mutant Strains Containing Different Amino Acid Substitutions in the Reverse Transcriptase", Virology 192:246-253 Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al, (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A28 A29 A30 A31 A32 A33 A34 A35 A36	Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al, (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A28 A29 A30 A31 A32 A33 A34 A35 A36	Barnes WM, (1994) "PCR Amplification of up to 35-kb DNA with High Fidelity and High Yield from I. Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al, (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A28 A29 A30 A31 A32 A33 A34 A35 A36	Bacteriophage Templates" PNAS 91:2216-2220 Bartenschlager R, et al, (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A30 A31 A32 A33 A34 A35 A36	Bartenschlager R, et al, (1994) "Kinetic and Structural Analyses of Hepatitis C Virus Polyprotein Processing", J. Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A30 A31 A32 A33 A34 A35 A36	Virol. 68:5045-5055 Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndt 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A30 A31 A32 A33 A34 A35 A36	Boucher CAB, et al, (1993) "High-Level Resistance to (-) Enantiomeric 2'-Deoxy-3'-Thiacytidine In Vitro is Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A30 A31 A32 A33 A34 A35 A36	Due to One Amino Acid Substitution in the Catalytic Site of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A31 A32 A33 A34 A35 A36	Transcriptase", Antimicrob Agents Chemother, 37:2231-2234 Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A31 A32 A33 A34 A35 A36	Boucher CAB, et al, (1990) "Zidovudine sensitivity of human immunodeficiency viruses from high-risk, symptom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A31 A32 A33 A34 A35 A36	tom-free individuals during therapy", Lancet 336:585-590 Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A32 A33 A34 A35 A36	Boyer, et al., "Analysis of Nonnucleoside Drug-Resistant Variants of Human Immunodeficiency Virus Type 1 Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr. 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A32 A33 A34 A35 A36	Reverse Transcriptase," J. Virol., 67(4):2412-2420 (1993). Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J. Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A33 A34 A35 A36	Cheeseman S.H., et al. (1995) "Phase I/II Evaluation of Defic Nevirapine Alone and in Combination with Zidvudine for Infection with Human Immunodeficiency Virus", J Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A33 A34 A35 A36	Zidvudine for Infection with Human Immunodeficiency Virus", J Acquir Immune Syndr 8:141-151 Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A34 A35 A36	Coffin JM, (1995) "HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A34 A35 A36	Therapy", Science 267:483-489 Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A35	Craig C and Moyle G, (1997) "The development of resistance of HIV-1 to zalcitabine", AIDS 11:271-279. Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A35	Croteau G. et al (1997) "Impaired Fitness of Human Immunodeficiency Virus Type 1 Variants with High-Level Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A36	Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
	A36	Resistance to Protease Inhibitors" J Virol 71:1089-1096 D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
		D'Aquilla R.T. (1994) "Molecular Pathogenesis and Laboratory Monitoring", Clin Lab Med 14:393-423
		De Clarca E (1997) "Development of Resistance of Human the 4). Immunodeficiency Virus (HIV) to Anti-HIV
	1 427	
	M3/	Agents: How to Prevent Problem" Intal of Antimicro Agnts, 9:21-36
	A38	De Clerq E, (1992) "HIV Inhibitors Targeted at the Reverse Transcriptase", AIDS Res. Hum Retrovin.8:119-134
	A39	DeJong, M.D., et al. (1994) "Alternating Nevirapine and Infected Zidovudine Treatment of Human
	ļ	Immunodeficiency Virus Type 1Persons Does Not Prolong Nevirapine Activity", J Infect Dis 169:1346-1350
. 1	A40	DeJong MD, et al, (1996) "Host-parasite Dynamics and Outgrowth of Virus Containing a Single K7OR Amino
l l		Acid Change in Reverse Transcriptase are Responsible for the Loss of Human Immunodeficiency Virus Type 1
-+		RNA Load Suppression by Zidovudine", PNAS 93:5501-5506
1	A41	Descamps, et al., 1997 "Susceptibility of Human Immunodeficiency Virus Type 1 Group O Isolates to
-		Antiretroviral Agents: In Vitro Phenotypic and Genotypic Analysis," J. of Virology 71(11): 8893-98.
Ì	A42	De Antoni A., et al. Mutations in a pol gene of human immunodeficiency virus type 1 in infected patients
		receiving didanosine and hydroxyurea combination therapy. J. Infect Dis. (1997) OCT.; 176(4): 899-903
l	A43	Doyon L, et al, (1996) "Second Locus Involved in Human Immunodeficiency Virus Type 1 Resistance to
	 	Protease Inhibitors", J Virol 70:3763-3769
- 1	A44	Dueweke, T.J., et al. (1993) "A Mutation in Reverse to Other Transcriptase of Bis (Heteroaryl) Piperzine
		Resistant Human Immunodeficiency Virus Type 1. That Confers Increased Sensitivity; Nonnucleoside
	-	Inhibitors", PNAS 90:4713-4717
Ì	A45	Eastman, P. Scott, et al. (1995) Monisotopic Hybridization Assay for Determination of Relative Amounts of
	ļ	Genotypic Human Micro, Immunodeficiency Virus Type 1 Zidovudine Resistance", J Clin 2777-2780
	A46	Fitzgibbon et al. Human Immunodeficiency virus type 1 pol gene mutations in an AIDS pateint treated with
	-	multiple antiretroviral drugs. Journal of Virology, vol. 67, No. 12 (1993) pp. 7271-7275.
	A47	Frenkel et al. Specific, sensitive, and rapid assay for human immunodeficiency virus type 1 pol mutations
		associated with resistance to zidovudine and didanosine. Journal of Clinical Immunology. vol. 33, No. 2 (1995)
		pp. 342-347.
ł	A48	Frost, S.D.W., and McLean, A.R. (1994) "Quasispecies Dynamics and the Emergence of Drug Resistance During
		Zidovudine Therapy of Hiv Infection", AIDS 8:323-332.
1	A49	Gerondelis P, et al. (1999) "The P236L Delavirdine-Resistant Human Immunodeficiency Virus Type 1 Mutant is
1	1	Replication Defective and Demonstrates Alternations in both RNA 5'-End-and DNA 3',-End-Directed Rnase H
 -		Activities", J Virol. 73: 5803-5813 Gervaix, et al., "A New Reporter Cell Line to Monitor HIV Infection and Drug Susceptibility in Vitro", Proc.
4	A50	

7	A51	Goulden MG, et al, (1996) "Selection In Vitro of an HIV-1 Variant Resistant to Both Lamivudine (3TC) and Zidvudine", AIDS 10:101-102.
1	A52	Gu Z, et al, (1994) "Identification of Novel Mutations that Confer Drug Resistance In the Human
		Immunodeficiency Virus Polymerase Gene", Leukemia 8(1):166-169.
	A53	Hammond, et al., 1998 "Mutations in Retroviral Genes Associated with Drug Resistance," 36-79.
	A54	Harrigan PR, et al, (1998) "Relative Republication Fitness of Zidovudine-Resistant Human Immunodeficiency Virus Type 1 Isolates In Vitro", J Virol. 72:3773-3778
	A55	Ho DD, et al, (1994) "Characterization of Human Immunodeficiency Virus Type 1 Variants with Increased Resistance to a C2-Symmetric Protease Inhibitor", J Virol 68:2016-2020
	A56	Holodniy, Mark, et al. (1995) "Determination of Human Immunodefiency Virus RNA In Plasma and Cellular
		Viral DNA Genotypic Zidovudine Resistance Combination Therapy", J Virol, 3510-3516
	A57	Hazuda, et al., 2000 "Inhibitors of Strand Transfer That Prevent Integration and Inhibit HIV-1 Replication in Cells," Science 287: 646-650.
	A58	Herrmann, et al., "A Working Hypotheses-Virus Resistance Development As An Indicator of Specific Antiviral Activity", Ann. NY Acad Sciences (1997), 284: 632-637.
	A59	Hertogs, et al., "A Rapid Method for Simultaneous Detection of Phenotypic Resistance to Inhibitors of Protease and Reverse Transcriptase in Recombinant Human Immunodeficiency Virus Type 1 Isolates From Patients Treated with Antiretroviral Drugs", Antimicrobial Agents and Chemotherapy (1998) 42(2): 269-276.
	A60	Iversen et al. "Multidrug-resistant immunodeficiency virus type 1 strains resulting from combination antiretroviral therapy," Journal of Virology. vol. 70, No. 2 (1996) pp. 1086-1090.
	A61	Kellam, P., et al. (1994) "Zidovudine Treatment Results in the Selection of Human Immunodeficiency Virus
	<u> </u>	Type 1 Variants Whose Genotypes Confer Increasing Levels of Drug Resistance", J Gen Virol 75:341-351.
	A62	Kim EE, et al, (1995) "Crystal Structure of HIV-1 Protease in Complex with VX-478, a Potent and Orally Bioavailable Inhibitor of the Enzyme", J Am Chem Soc. 117: 1181-1182
	A63	Kleim, J., et al. (1997) "In vitro Selection for Different Mutational Patterns in the HIV-1 Reverse Transcriptase"
	1 703	Using High and Low Selective Pressure of the Nonnucleoside Reverse Transcriptase inhibitor HBY 097"
		Virology. 231: 112-118
	A64	Kosalaraksa P, et al, (1999) "Comparative Fitness of Multi-Dideoxynucleoside-Resistant Human Immunodeficiency Virus Type 1 (HIV-1) in an In Vitro Competitive HIV-1 Replication Assay", J Virol 73:5356-5363.
	A65	Krebs, R., et al. 1997 "Single-Step Kinetics of HIV-1 Reverse Transcriptase Mutants Responsible for Virus Resistance to Nucleoside Inhibitors Responsible for Virus Resistance to Nucleoside Inhibitors Zidovudine and 3-TC" Biochemistry 36: 10292-10300
	A66	Kuritzkes D.R. Clinical significance of drug resistance in HIV-1 infection. AIDS (1996) vol. 10, S27-S31.
	A67	Larder BA, (1992) "3'-Azido-3'-Deoxythymidine Resistance Suppressed by a Mutation Conferring Human Immunodeficiency Virus Type 1 Resistance to Nonnucleoside Reverse Transcriptase Inhibitors", Antimicrob Agents Chemother 36: 2664-2669.
	A68	Larder BA, et al, (1991) "Zidovudine resistance predicted by direct detection of mutations in DNA from HIV-infected lymphocytes", AIDS 5:137-144.
	A69	Larder BA, et al, (1995) "Potential Mechanism for Sustained Antiretroviral Efficacy of AZT-3TC Combination Therapy", Science 269:696-699.
	A70	Lie, et al., "Advances In Quantitative PCR Technology: 5' Nuclease Assays", Curr Opinion Biotech (1998), 9(1): 43-48.
	A71	Lieven Stuyver, et al. (1997) "Line Probe Assay For Rapid Detection Of Drug Selected Mutations In The Human
		Immunodefiency Virus Type 1 Reverse Transcriptase Gene", Antimicro Aaen and Chemother, 284-291
	A72	Lin PF, et al, (1994) "Genotypic and Phenotypic Analysis of Human Immunodeficiency Virus Type 1 Isolates from Patients on Prolonged Stavudine Therapy", J Infect Disease 170:1157-1164.
	A73	Lopez-Galindez C, et al, (1991) "Characterization of genetic variation and 3'-azido-3'-deoxythymidine-
		resistance mutations of human immunodeficiency virus by the RNAase A mismatch cleavage method", PNAS 88:4280-4284.
	A74	Mammamo F, et al, (1998) "Resistance-Associated Loss of Viral Fitness in Human Immunodeficiency Virus
		Type 1: Phenotypis Analysis of Protease and gag Coevoluation in Protease Inhibitor-Treated Patients", J Virol 72:7632-7637
	A75	Maschera B, et al, (1996) "Mutations in the Viral Protease that Confer Resistance to Saquinavir Increase the Dissociation Rate Constant of the Protease-Saquinavir Complex", Bio Chem 271:33231-33235.
	A76	Mayers DL, et al, (1992) "Characterization of HIV Isolates Arising After Prolonged Zidovudine Therapy", J Acq Imm Def Synd 5:749-759
	A77	Moyle GJ (1996) "Use of Viral Resistance Patterns to Antiretroviral Drugs in Optimizing Selection of Drug Combinations and Sequences", Drugs 52:168-185
•	A78	Mohri, H., et al. (1993) "Quantitation of Zidovudine Resistant Human Immunodeficiency Virus Type 1 in the Blood of Treated and Untreated Patients", PNAS 90:25-29

	A79	Mulligan RC and Berg P, (1980) "Expression of a Bacterial Gene in Mammalian Cells", Science 209:1422-11427							
1	A80	Nájera, I., et al. (1994) "Natural Occurrence of Drug Resistance Mutations in the Reverse Transcriptase of							
<u> </u>		Human Immunodeficiency Virus Type 1 Isolates", Aids Res Hum Retroviruses 10:1479-1488							
	A81	Nájera, I., et al. (1995) "pol Gene Quasispecies of Human Immunodeficiency Virus: Mutations Associated wi Drug Resistance in virus from Patients Undergoing No Drug Therapy", <u>J Virol</u> 69:23-31							
	A82	Nijhuis, et al., "Implications of Antiretroviral Resistance on Viral Fitness", Curr. Opin. Infect Diseases (2001 14: 23-28.							
	A83	Nunberg, J.H., et al. (1990) "Viral Resistance to Human Immunodeficiency Virus Type 1-Specific Pyridinone Reverse Transcriptase Inhibitors", J Virol 65:4887-4892							
	A84	Pelemans H, et al. (1997) "Characteristics of the Pro225His Mutation in Human Immunodeficiency Virus Type 1 (HIV-1) Reverse Transcriptase That Appears Under Selective Pressure of Dose Escalating Quinoxaline Treatment of HIV-1" J. Virol., 71(11):8195-8203							
,	A85	Petropoulos, et al., "A Novel Phenotypic Drug Susceptibility Assay For Human Immunodeficiency Virus Type 1", Antimicrobial Agents and Chemotherapy (2000), 44(4): 920-928.							
	A86	Race, et al., "Analysis of HIV Cross-Resistance to Protease Inhibitors Using A Rapid Single-Cycle Recombinant Virus Assay For Patients Failing On Combination Therapies", AIDS (1999), 13(15): 2061-2068.							
	A87	Richman, D.D. et al. (1994) "Nevirapine Resistance Mutations of Human Immunodeficiency Virus Type 1 Selected during Therapy", J Virol 68:1660-1666							
	A88	Richman, D.D. et al. (1991) "Human Immunodeficiency Virus Type 1 Mutants Resistant to Nonnucleoside Inhibitors of Reverse Transcriptase Arise in Tissue Culture", PNAS 88:11241-11245							
	A89	Sanger, et al. (1977) "DNA Sequencing with Chain-terminating Inhibitors", PNAS 88: 11241-245.							
	A90	Sakar, G. and Sommer, S.S. (1990) "The "Megaprimer" Method of Site-Directed Mutagenesis" Biotech, 8(4):404-407							
	A91	Sanger, et al. (1977) "DNA Sequencing with Chain-terminating Inhibitors", PNAS 88: 11241-245.							
	A92 Shafer RW, et al, (1994) "Combination Therapy with Zidovudine and Didanosine Selects for Drug- Human Immunodeficiency Virus Type 1 Strains with Unique Patterns of pol Gene Mutations", <i>J In</i> 169:722-729								
	A93	Shi, et al., "A Recombinant Retroviral System for Rapid In Vivo Analysis of Human Immunodeficiency Virus Type 1 Susceptibility to reverse Transcriptase Inhibitors", Antimicrobial Agents and Chemotherapy (1997) 41(12): 2781-85.							
	A94	Shirasaka T, et al. (1995) "Emergence of Human Immunodeficiency Virus Type 1 Variants with Resistance to Multiple Deoxynucleosides in Patients Receiving Therapy with Dideoxynucleosides", PNAS 92:2398-2402							
	A95	Southern, et al. (1982) "Transformation of Mammalian Cells to Antibotic Resistance with a Bacterial Gene Under Control of the SV40 Early Region Promoter", Appl. Genet 1:327-341							
	A96	Strair RK, et al. (1993) "Recombinant Retroviral Systems For the Analysis of Drug Resistant HIV" Nucl Acds Res, 21(20): 4836-4842							
	A97	Sugden B, et al, (1985)"A Vector that Replicates as a Plasmid and can be Efficiently Selected in B-Lymphoblasts Transformed by Epstein-Barr Virus", Mol Cell Bio 5:410-413.							
	A98	Tisdale M, et al, (1993) "Rapid In Vitro Selection of Human Immunodeficiency Virus Type 1 Resistant to 3'- Thiacytidine Inhibitors due to a Mutation in the YMDD Region of Reverse Transcriptase", PNAS 90:5653-5656.							
	A99	Vacca JP, et al, (1994) "L-735,524: An Orally Bioavailable Human Immunodeficiency Virus Type 1 Protease Inhibitor", PNAS 91:4096-4100.							
	A100	Villahermosa, ML, et al. "Evaluations of mixtures of wild-type HIV-1 and HIV-1 with resistance point mutations against reverse transcriptase inhibitors" Antiviral Ther. (1998); 3(4):221-227							
	A101	Zennou V, (1998) "Loss of Viral Fitness Associated with Multiple Gag and Gag-Pol Processing Defects in Human Immunodeficiency Virus Type 1 Variants Selected for Resistance to Protease Inhibitors In Vivo", J. Virol., 72:3300-3306.							
	A102	Zhang Y, et al, (1997) "Drug Resistance During Indinavir Therapy is Caused by Mutations in the Protease Gene and in its Gag Substrate Cleavage Sites", J Virol 71:6662-6670.							
1	A103	Zhang D, et al, (1994) "Resistance to 2',3'-Dideoxycytidine Conferred by a Mutation in Codon 65 of the Human Immunodeficiency Virus Type 1 Reverse Transcriptase", Antimicrob Agents Chemother 38:282-287							
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	(Use several sheets if ne	ecessary)	Whitcomb, Jean	nette		· · · · · · · · · · · · · · · · · · ·	
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		U.S. PATEN	T DOCUMENTS				
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	FOREIGN PATENT DOCUMENTS								
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		B01	WO97/27332	7/97	PCT				
4	}	B02	WO97/27319	7/97	PCT				
	Π	B03	European Search Report for EP 0194452	10/04	EPO				
		B04	European Search Report for EP 99933581	9/04	EPO				
4		B05	European Search Report for EP 99925874	9/04	EPO				

		OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)
	B06	Buckheit, et al. (1995) "Resistance to 1-[(2-hydroxyethoxy)methyl]-6-(phenylthio)thymine Derivatives is Generated by Mutations at Multiple Sites in the HIV-1 Reverse Transcriptase", Virology 210(1):186-193.;
	B07	Esnouf, et al. (1997) "Unique Features in the Structure of the Complex Between HIV-1 Reverse Transcriptase and the bis(hetroaryl)piperazine (BHAP) U-90152 Explain Resistance Mutations for this Nonnucleoside Inhibitor", PNAS 94(8) 3984-3989.
	B08	Fan al. 1995 "Mechanism of Resistance to U-90152S and Sensitization to L-697, 661 by a Proline to Leucine Change at Residue 236 of Human Immunodeficiency Virus Type-1 (HIV-1) Reverse Transcriptase", FEBS Letters 359(2-3): 233-238.
T	B09	Kanki, et al. (1997) "Virology of HIV-1 and HIV-2: Implications for Africa", AIDS 11(Supp. B): S33-S42.
	B10	Mellors, et al. (1995) "Mutations in HIV-1 Reverse Transcriptase and Protease Associated with Drug Resistance", International Antiviral News Volume 3: 8-13.
	BII	Romero, et al. (1996) "Targeting Delavirdine/Atevirdine Resistant HIV-1: Identification of Piperidine-Containing bis(heteroaryl) piperazines as Broad Spectrum HIV-1 Reverse Transcriptase Inhibitors", Journal of Medicinal Chemistry 33(19) 3769-3789.
4	B12	Salomon, et al. (2000) "Prevalence of HIV-1 Resistant to Antiretroviral Drugs in 81 Individuals Newly Infected By Sexual Contact or Injecting Drug Use", AIDS (London, England) 14(2): F17-F23.

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